

LArIAT Online/DAQ/Trigger Blurbs

- Wiener VME Power Supply dead – powers TPC V1740s
 - On its way to Ohio for repair, estimate ~ one month
 - No spares, no V1740 readout; we were “lucky” it was not during beam
- Physically installed new lariat-daq computers
 - Dedicated for DQM, plus one hot backup
- All will be upgraded to 2Tb disks, mirrored pairs
- Discovered V1495 has trigger pipeline with timestamps!
 - Obviates need for external latch
 - New TriggerFragment / TriggerPattern data objects!
- Adding 16 new trigger inputs to extant 16
 - 16 were oversubscribed
 - Requires updating firmware (James*, Mike*, Dung, Just Will)
 - * James will have details later
- Implementing “BUSY” hold off logic
 - May explain event counter mismatches, a la DS50; thanks Boris